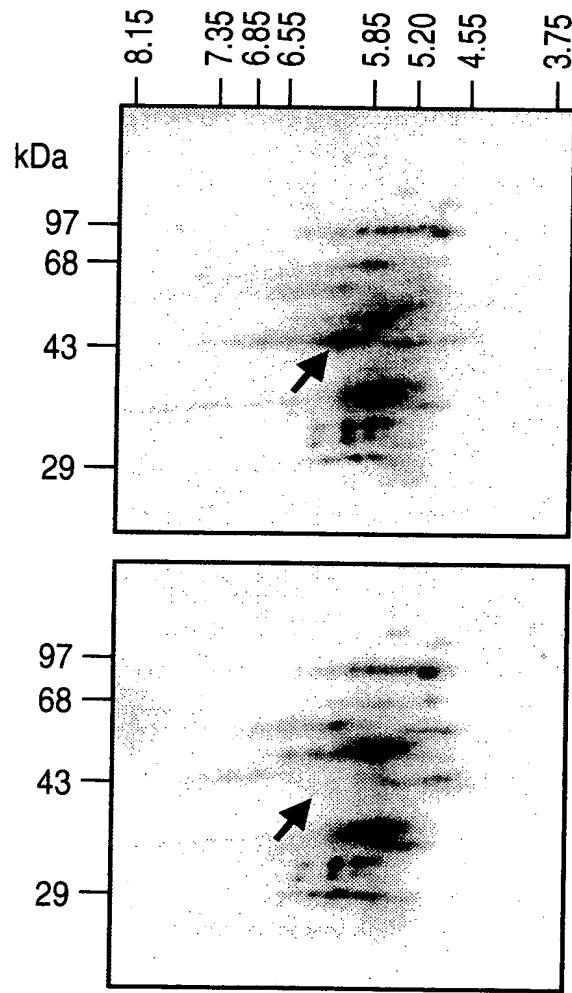
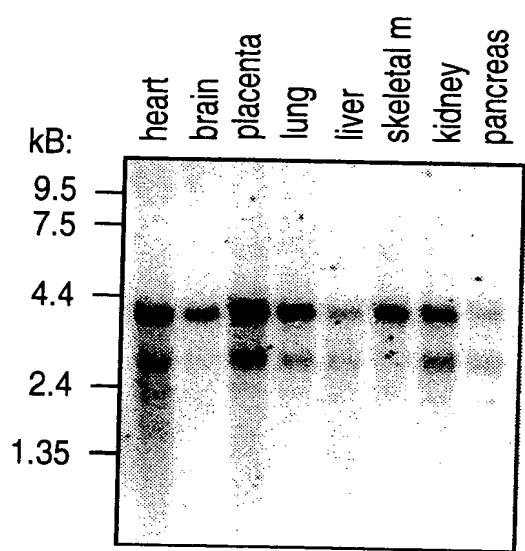


**FIG. 1**

{ Isoelectric Point }



**FIG. 2**



# FIG. 3A

1 CGCGGAAGGGCAGAACATGGGACTCCAAAGCCTGCTGCCCTTAAGGGCTCTTGGCCCTCATCCCTCTGGCAATTGCAAGTTACAGCCCCGGCCCG  
 M G L Q A C L L G L F A L I L S G K C S Y S P E P D  
 91 ACCAGGGAGGACGCTGCCCTCAGGTGGCTGGGTGTCCCTGGGGACCCCTGAGGAAGGGCTGAGTCTCACCTTGCCTTGAGACAGC  
 Q R R T L P P G W V S L G R A D P E E L S I T F A L R Q Q  
 181 AGAATGGAAAGAACATCTGGAGGCTGGTGCAGGCTGGTGGATCCAGCTCTCCTCAAATACGGAAAATAACCTGACCCCTAGAATGTTGG  
 N V E R L S E L V Q A V S D P S S P Q Y G K Y L T L E N V A  
 271 CTGATCTGGTGAAGGCCATCCCCACTGACCCCTCCACACGGTGGCAAAATGGCTCTGGCAGCCGGAGCCAGAAGTGGCATTCTGTGATCA  
 D L V R P S P L T L H T V Q K W L L A A G A Q K C H S V I T  
 361 CACAGGAACTTCTGACTTGTGGCTGAGCATCCGACAAGGCTGCTGGGCTGAGTTTCATCACTATGTGGGAGGACCTA  
 Q D F L T C W L S I R Q A E L L P G A E F H H Y V G G P T  
 451 CGGAAACCCATGTTGTAAGGTCCCCACATCCCCTACCAGCTTCCACAGGCCTTGGCCCATGTTGGACTTGTGGGGACTTGTGGGACTGGACCAATT  
 E T H V R S P H P Y Q L P Q A L A P H V D F V G G L H H F  
 541 TTCCCCAACATCATCCCCCTGAGGCAACGTCCCTGAGCCGGAGGGACTGTAGGCCATCTGGGGTAACCCCTCTGTGATCC  
 P P T S S L R Q R P E P Q V T G T V G L H L G V T P S V I R  
 631 GTAAGCCATACACCTTGACTCACAGGCTGAGGCTCTGGCAGGCAAAACAGCCAAAGCTGTCCTGGCAGTTGGGACTATTTC  
 K R Y N L T S Q D V G S G T S N N S Q A C A Q F L E Q Y F H  
 \* \_\_\_\_\_  
 721 ATGACTCAGACCTGGCTCAGTTCATGGCCACTTGGCAACTTGGCACATCAGGCCATCAGTAGGCCCTGGTTGGACAAACAGGGCC  
 D S D L A Q F M R L F G N F A H Q A S V A R V V G Q Q G R  
 \* \_\_\_\_\_  
 811 GGGCCCCGGGATTGAGGCCAGTCTAGATGTGCAGTACCTGATGAGTGTGGTGCCTGGCAACATCTCCACCTGGCTCTAGTAGCCCTG  
 G R A G I E A S L D V Q Y L M S A G A N I S T W V Y S S P G  
 \* \_\_\_\_\_  
 901 CCCGGCATGGGACAGGGCCCTTCCTGGCAGTGGCTCATGCTCAGTAATGAGTCAGCCACATGTGCTAGCTGTGAGCTARG  
 R H E G Q E P F L Q W L M L S N E S A L P H V H T V S Y G

FIG. 3B

## FIG. 3C

2401 TGTAAAGATGGCTGATACTCAAACATTCAATCGTCCACCTTCCAAACCCAAATTCCATCTCGTTTCTTGGTAATGATGCTATGC  
2491 / AAAAAA.....  
2581 CTTAAATATATCTTTATCAGTCCAAAGTCCTTCCAATTATTCAGTAAAGTGTCCATTATCTAGAACTTATTCAGTAAATGCCAAT  
2671 ACCTTAGTTAGGGCTATATTCTCTGAAAAAAGTGTCCATTCTGCTTACTTCCTGCCAATCCCAGTCACTTCCAGAGTAAATGCAAAATCCC  
2761 ATCAGGCCACTTGGATGAAACCTCAAGGATTACTGGATAGAATTTCAGGCTTTCAGGCTTCCASCCCCAATCATAGCTCACAAACCTTC  
2851 CTTGCTATTTGGTCTTAAGTAAAAATCATTTTCCCTCCCCAACCCAGGAACACTCTCAACTCTGCTCAAGGTGTTCCGGTCC  
2941 CCTTACCAACCCCTGATAACAACGCCAGTTAAATTCCAGAATTCTGCAAGACTCAGTTCAAGAGTCACCTTCTTCGTGAATGTTGA  
3031 TTCCCTGAGGCTACTTTCTAGATTTGGCTGAAACCTGTTGAATCTTGGTTCTGATATGGACTAG  
3121 GAGAGAGACTGGTCAAGTAAGCTTATCTCCCTGAGGCTGTTCTCGTCGTTAAGTGTGAATAACCTGCCCTCCCTGACTGCC  
3211 AGGGAATAAGTGGAAATAATGTTGATAACAGTGCTGGCACCTGGCAAGTAGGTGGCAGATGTTAACGCCCTCCCTGACTGCC  
3301 CCCTGTGCTTACCTCTAGCAATGTAACGCCAACATAGTATTGAAATGGCCAGTTACTTGTCTGCCTTCAGACCGTGGTGGCC  
3391 TAGAGGACTAGAAATCGTGTCTTAACTTGTGTCTTCCAGGTCTAGCTCAGGAGTTGGCAAAATAAGAATTAAATGTCGCTACACCG  
3481 AAACAAA

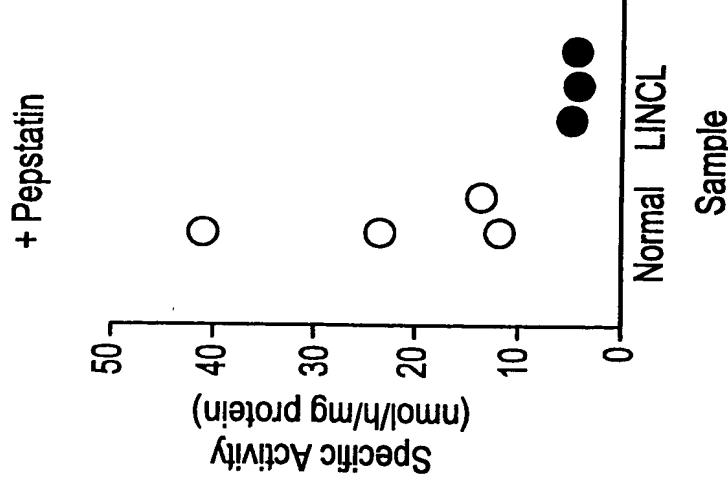
FIG. 4A

CLN2	1	MCTQACLIGL_FAIILSGKCSYSPEPFDQR	RTLPPCGWV
PSCP	1	MKSSAAKQTIVLICHNRYAV_VALPLATASFAFEFGASP	ASTLWAPTDTKAFVTPAQVEAR
XaCP	1	IKTEKTAIVTVALAMSSLSPHAEDAWVSTHTOAMSPPASTQVLAASSITSATTITGNAYTINMTCSPRID	S
CLN2	37	SIGRADPEEEISLTFAIRQONVERLSELIVDAVSDESSPPOYGRYI_TLENVADLVRPSPLTLITYQKMTLALAGORCKSY	V
PSCP	59	AAPPLLETAAGEFTHVSIKLURDEAQLKOLQAVNOFGNAQFGKFLKRQFLSOFEPTEAQVOAVVAHLRKNGFVNIE_V	V
XaCP	71	GAAVTAALEADHPLHEVALKLRNPDALQTFLAGVETPGSALEFGKELTPSQTEREGPTQSQYDAVVAHLQOAGFTNIE_V	V
CLN2	115	ITQDFLTICWLISIROAEELLIPGAEEFHIVYGGPTETHVRSRPHPYDLPQALAPHPVDFVGGIHHFPPTSSER	.ORPEPOVT
PSCP	138	VPNRULLTSADGSAGAVKAFFNTPLVRYOLNGKAGYA	.._TQDQF
XaCP	150	APNRLLISADGTTAGAATNGFRISIKAPE_SANGREFIA	..NGAVNNTQITQGSSNGDY
CLN2	192	GTVGLHLGVTGPSVKRYNLLTSQDVSGSTSNNNSOACAQFLQYFHDSDIAQFMRLGGNTFAHQASVARVYGOOGRGRAGI	.._CTE
PSCP	214	TIAAGTAGKGNPTEFPTIYDASRPTPANTIVGIITIGYSQTLQDQFOFTA	..NGLASVNTQITQGSSNGDY
XaCP	228	GPNVGDTAAAIAVVAHHPDDEPAATYGCSSLPAENTAVGIITWSITOTVDLNSSETSG	..AGLAIVNSTITKVGS
CLN2	272	EASIDIVQYLM_SAGANISTWV_FSSSPGRHEEQEPTIYQMLIENESALPE	.._FHTVSYGPDE_DSISSAY
PSCP	287	SDDQQGQGENDLDSQSIYVGAGGAIVQQLIFYMADQSASGNTGFOA	.._ENQAVSDNMAKVINVSLGNCEADANADGT
XaCP	304	ANDPDINGEWSDLSDQDVGAGG_VKOLIFTTSANGDSSSSGT	.._DAGITASYNRAVETNTAKINVSLGEDETAQAOQSGT
CLN2	337	IQRVNTIELMKAAARGTFLFASGDSGA	.._GCWSVSGR
PSCP	362	LOAEDRIIFATAAAQGQTTSVSSGDEGVYE	.._CNRNGYPDGSI
XaCP	383	QADDAAITFPOAVPAQGQTTSIASGDAIVYQWSSTDPTSGSPGYVANSAGTVKIDLTHYSVSEPASSSPYVIVQGGTTL_STSG	.._FSVSPASSPNTVIAVGGTTLYTSA

## FIG. 4B

CIN2	399	I	NETIVDYSGGGFSNVP	P	RPS	...	YQEEAVTKEI.SSSPHLPESSYFNASGRAYPDV	...	AALSPGYMWVNRPPIP	...	
PSCP	427	GAYS	NETTWN EGL	...	DsNGK	WATGGGSVTE	SKP SWOSSVUSGT	PGRLIPUD	SEDADAGTGALIINY	GD1Q	
XaCP	462	T	TWWS	GETTWN EGL	SATAPSQGDNNQRL	WATGGGSVTE	AAAPSWQSVSS	STKRYGPDLAEDAA	ASSCALIVVN	GSTE	
CIN2 470 WVS GTSA STP VEGGILS LINEHRLSGRPLGFILNPRLQH GAG . . . LFDVTRC HESCLDEEVE EGECSEP GWD PVT											
PSCP	497	Q	IGGTS	SLASPIEVGLW	AROS	ANISNSLGFPAASFY	SAILSSSTP	SLVHDV	KSG . . . . .	NNGYGGYGNACTGWD YPT	
XaCP	539	Q	GGGTS	SLASPLVGAFARIES	ES	ANNA	TGFPA SKFY QAEPTO	TSLSLHDV	TSG . . . . .	NNGY2OSHGYTPAIGED EAAT	
CIN2 547 GWGTPNEPAPLIXELINP . . . . .											
PSCP	567	GWGS	LDI	AKLSAYT	RSNGFC	CH . . . . .					
XaCP	609	EFGSF	DI	GRINTY	QA	NWTVTGGGGST					

**FIG. 5A**



**FIG. 5B**

